



Immunology: A Short Course

By Richard Coico, Geoffrey Sunshine

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Immunology: A Short Course, Sixth Edition introduces all the critical topics of modern immunology in clear and succinct yet comprehensive fashion. The authors offer a uniquely balanced coverage of classical and contemporary approaches, basic and clinical aspects. As with the previous editions, the strength of the text is in a complete review of modern immunology without burdening the reader with excessive data or theoretical discussions. Each chapter is divided into short, self-contained units that address key topics illustrated by uniformly drawn, full-color illustrations, many brand new to this edition. The sixth edition of this successful textbook newly covers:

- Toll-like receptors, their ligands and intracellular activation pathways
- The key role of activation induced cytidine deaminase (AID) in somatic hypermutation and class switch recombination.
- The autoimmune regulator (*AIRE*) gene in self-tolerance and autoimmunity
- T and B cell activation and the immunological synapse, as well as characterization and mechanisms of action of T regulatory cells

The companion website at www.wiley.com/college/coico features problem sets, quizzes, and a list of relevant internet resources.

Praise for the previous edition:

"This book is clearly a precious resource for undergraduate, graduate and medical students alike... For those who need an introduction to the fascinating world of immunology, this book should most certainly spark the interest."
ANNALS OF BIOMEDICAL ENGINEERING

"... an excellent beginner's guide... the authors have done a terrific job of providing an overview of the field."
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Editorial Review

Review

“The material is presented in an easy to read fashion, and new advances in the field are discussed.” (*Doody's*, April 2009)

From the Back Cover

The top-selling short course book for undergraduates and medical students

Now in its *Sixth Edition*, this widely acclaimed textbook has been updated and revised to incorporate new findings in the field of immunology. Providing a concise yet thorough introduction to the subject, this text continues to provide complete coverage of all key topics in modern immunology without overburdening the reader with excessive detail or theoretical discussions. Each chapter is divided into short, self-contained units that address key topics illustrated by uniformly drawn, full-color illustrations—many brand-new to this edition.

Immunology: A Short Course, Sixth Edition includes completely rewritten or new coverage of key topics such as: toll-like receptors, their ligands, and intracellular activation pathways; development of T-cell subsets; mucosal immunity; the role of activation-induced cytidine deaminase (AID) in somatic hypermutation and class switch recombination; the autoimmune regulator (AIRE) gene in self-tolerance and autoimmunity; and complement activation pathways.

Each chapter is complemented with bulleted summaries and review questions with detailed answers. The book also contains an extensive glossary. Written in a clear, user-friendly style, this text is suitable for integrated courses that cover microbiology, immunology, and pathology, as well as focused immunology courses. An updated Web site provides relevant online resources including downloadable figures and tables used in the text.

About the Author

Dr. Richard Coico is Professor and Chairman of the Department of Microbiology and Immunology and Dean at the City University of New York Medical School. He directs CUNY Microbiology and Immunology courses and also participates directly in the teaching of immunology to graduate students.

Dr. Sunshine is a Senior Scientist at the Health Effects Institute in Cambridge, Massachusetts. He is also a lecturer in the Department of Pathology at Tufts University School of Medicine.

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